DNTSS

Day/Night Thermal Sighting System

State-of-the-art Sighting and Fire Control System upgrade.

Incorporating:

Laser Rangefinder, Thermal Imaging, Ballistic Computer and TV Channel.

Modular and Compact design for upgrading tanks and Armored Fighting Vehicles (AFVs)

elop
Electro-Optics Industries Ltd.

A Subsidiary of
Elbit SYSTEMS Ltd

DNTSS

Day/Night Thermal Sighting System

Technical Data

Features

- Very wide elevation range
- Full ballistic solution
- High accuracy
- Commander monitoring and operation, using display

Advantages

- Modular
- Compact
- Operation 24 hours around the clock and in all weather conditions
- Currently in production
- Excellent Reliability and maintainability

Applications

- Tank upgrades
- New turrets for AFVs

Upgrade Capabilities

- Automatic LOS deflection, according to ballistic data correction
- Add-on ballistic sensors
- Video recording and data transmission

Technical Specifications

• LOS elevation	-15° to +25°
• Direct view optics FOV	Day channel 8° at x8 magn. Unity Channel 25°x14°
• Thermal Channel	Second generation, 8-12 µm or 3-5 µm
• CCD day channel	3° x 2.3°
• Ballistic solution	60 mils in elevation +/- 15 mils in azimuth
• Ballistic tables	6 ammos, environmental corrections
• LOS and ballistic accuracy	0.1 mil
• Eyesafe laser	1.54 µm
• Rangefinding range	200 to 9995 meters
• Rangefinding logic	First/Last target
• Accuracy	+/- 5 m

Note: Parameters may be altered to comply with customer specifications.
EL-OP - ElectroOptics Industries Ltd., reserves the right to make such alterations in design, dimensions, specifications, and manufacturing to ensure continual quality improvement.

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